

REMARKS

Applicant has canceled the non-elected claims 7-12 and 14 without prejudice.

The Examiner has rejected claims 1 and 13 under 35 USC 103 as being obvious over Abe in view of Bartschat et al., stating that Abe discloses a bonding apparatus comprising a position detecting imaging device 5, a tool 16 in which the position is measured, a light source 6, 9 disposed at a specific location for projecting reference pattern toward the tool 16, but does not teach the step of measuring a position of the position detecting imaging device; Bartschat et al. discloses an operation control device that determines an amount of offset between the position imaging device and the tool based on a measured value that is obtained when the position of the tool on the reference pattern is measured and a measured value that is obtained when the position of the detection imaging device is measured; and it would have been obvious to one of ordinary skill in the art to modify Abe in view of the teachings of Bartschat et al.

Applicant has carefully reviewed Abe and respectfully submits that the elements 6 and 9 are merely light sources that project light and do not project a pattern at all (see col. 4, lines 40-44 and 55-59). Accordingly, Applicant respectfully submits that Abe does not disclose that which the Examiner states it does.

Applicant has further reviewed Bartschat et al. and respectfully submits that Bartschat et al. operates entirely differently from Applicant's invention. In particular, Bartschat et al. requires two cameras and reference points on both the substrate and the chips and using the two cameras and the reference points on the substrate and the chip, an alignment is made (see col. 3, lines 45-47 and the abstract).

In view of the above, therefore, Applicant respectfully submits that the combination suggested by the Examiner is not Applicant's invention and claims 1 and 13 are not obvious over Abe in view of Bartschat et al.

The Examiner has rejected claim 2 under 35 USC 103 as being obvious over Abe and Bartschat et al. and further in view of Hong et al., stating that Hong et al. discloses the use of a light source and a reference member 66 in order to calibrate and correct the bonding operation; and it would have been obvious to one of ordinary skill in the art to include in the combination of Abe and Bartschat et al. a light source and reference member for the purpose of determining the position of the imaging device.

In reply thereto, Applicant would like to incorporate by reference his comments above concerning Abe, Bartschat et al. and Applicant's invention. In addition, Applicant has carefully reviewed Hong et al. and respectfully submits that it merely relates to an apparatus for inspecting adhesive dot patterns (see abstract, lines 1 and 2). Still further, Applicant respectfully submits that the reference pattern of Hong et al. is not projected on the substrate but is merely projected toward the camera via the mirror 62 (see col. 4, lines 46-55).

In view of the above, therefore, Applicant respectfully submits that the combination suggested by the Examiner is not Applicant's invention and claim 2 is not obvious over Abe and Bartschat et al. and further in view of Hong et al.

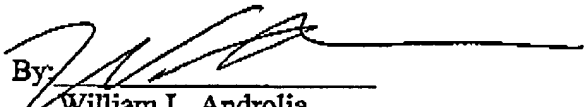
The Examiner has indicated that claims 3-8 contain allowable subject matter and Applicant acknowledges the statement.

In view of the above, therefore, it is respectfully requested that this Amendment be entered, favorably considered and the case passed to issue.

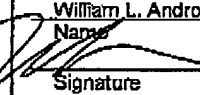
Please charge any additional costs incurred by or in order to implement this Amendment or required by any requests for extensions of time to KODA & ANDROLIA DEPOSIT ACCOUNT NO. 11-1445.

Respectfully submitted,

KODA & ANDROLIA

By: 
William L. Androlia
Reg. No. 27,177

2029 Century Park East
Suite 1430
Los Angeles, CA 90067
Tel: (310) 277-1391
Fax: (310) 277-4118

Certificate of Transmission	
I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office Fax No. (703) 872-9318 on <u>October 16, 2003</u> .	
William L. Androlia	
Name	
	10/16/2003
Signature	Date

RECEIVED
CENTRAL FAX CENTER

OCT 17 2003

OFFICIAL